

BEACON SKANSKA CONSTRUCTION COMPANY
BOSTON, MASSACHUSETTS

The Beacon Skanska Construction Company, of Boston, Massachusetts is a construction management company for commercial, institutional, biotechnical, educational, and aviation construction projects. The Beacon Skanska “facility” is a decentralized network of construction sites and other operations throughout New England. Beacon Skanska was certified to ISO 14001 in October, 1999.

In June, 2000, Beacon Skanska partnered with Boston Edison and Rise Engineering to improve energy efficiency in its main office. By implementing a variety of improvements Beacon Skanska has reduced electricity consumption by 40% and is saving over \$6,000/year on its electricity bill.

AT A GLANCE

Industry Sector:	General Building Contractors
Business:	Construction Management for commercial, institutional, biotechnical, educational, and aviation projects
Facility Employees:	more than 1,000
Accomplishments:	Reduced energy use Increase reused/recycled materials use
2003 Commitments:	Reduce air emissions (employee commuting) Increase reused/recycled materials use Sustainable site development Reduce energy use
Address:	270 Congress Street Boston, MA 02210

Beacon Skanska also has developed a comprehensive program for reducing solid waste in all its operations, from its offices to all construction and demolition sites. Opportunities to reuse and recycle materials are identified at each work site and all subcontractors contribute to the site’s materials conservation strategy. Waste haulers, in particular, are evaluated for their end use and waste separation/recycling strategies before being hired by Beacon Skanska. For two very large construction sites, the new Patriot’s Stadium and Putnam Investments, these strategies saved a total of 10,000 tons of concrete, 16,200 tons of asphalt, 218,035,000 tons of rock, and 338,260,000 tons of loam and other soil.

ENVIRONMENTAL PERFORMANCE

Past Accomplishments

The Beacon Skanska Construction Company has demonstrated its commitment to environmental performance in the areas of energy use and reused/recycled materials use. Since 1997, Beacon Skanska has:

- **Reduced electricity use** by 40% in its office operations by implementing an energy efficiency strategy.
- **Increased use of recycled and reused materials** by more than half a billion tons at two large construction sites.

Future Commitments

Beacon Skanska also committed to continued environmental improvement. By 2003, the Beacon Skanska will:

- **Reduce annual air emissions** by an 138 lbs VOC, 990 lbs CO, 60 lbs NOx, 79,200 lbs CO2 by adding 12 more employees to its transit subsidy plan.
- **Reduce solid waste from construction and demolition sites** by an additional 3,000 tons/year by continuing to work with subcontractors, the Massachusetts DEP, and the Chelsea Center for Recycling and Economic Development to identify and exploit opportunities for marketing construction debris.
- **Improve energy and materials conservation, indoor air quality, and site preservation/rehabilitation** by working with development clients on siting (e.g. orienting buildings for passive energy conservation, saving trees already on site, reusing brownfields) energy efficiency strategies (using natural ventilation, heating, and cooling, using heat recovery systems, and using renewable or alternative energy sources) materials conservation (using recycled building materials, rehabilitating buildings rather than constructing new ones) and using low/no VOC materials, finishes, and cleaning products).
- **Reduce energy use** by developing and implementing additional conservation projects at both office and construction/demolition sites.

COMMUNITY OUTREACH

Community concerns regarding construction projects are usually handled by owners or project proponents rather than by construction companies. However, Beacon Skanska representatives attend all public hearings related to projects. Beacon Skanska and its parent company also distribute newspaper and journal articles and reports on their environmental performance. Beacon Skanska is developing a website that will offer an additional opportunity to communicate with the public and distribute its Performance Track annual report.